

Date: Wed, 21 Jul 93 16:00:39 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #886
To: Info-Hams

Info-Hams Digest Wed, 21 Jul 93 Volume 93 : Issue 886

Today's Topics:

 Code test gave in same room as written - WHY????
 CW in weird places
 How does an American sign in Canada?
 List of conrties and call prefixes (2 msgs)
 qrp...
 Recharging alkaline cells
 Request Alinco DJ-180T Mods (2 msgs)
 Standard C528A Mods.??
 STILL waiting for your license? Read this and weep! (2 msgs)
 TS50 Illegal!
 VE Test Conditions
 What happened to Newsline posts?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 19 Jul 93 19:34:01 GMT
From: ogicse!emory!dragon!nj8j!ben@network.ucsd.edu
Subject: Code test gave in same room as written - WHY????
To: info-hams@ucsd.edu

oppedahl@panix.com (Carl Oppedahl) writes:

> In <21na5mINNlfu@uwm.edu> pachner@csd4.csd.uwm.edu (Thomas Jay Pachner) write
>
>
> >This Saturday I took the Novice and Tech. class exams (and I am proud to say

> >that I passed them), but during the Tech. exam they started the CW test
> >approx. 20 feet from the table. I made a couple mistakes because I was heari
> >these letters in my head. (Luckily, I went and double-checked). I know they
> >were pressed for room, but there should have been consideration made.
>
> >Perhaps the FCC should regulate test conditions? (or at least strongly recom
> >a suitable testing atmosphere)
>
> One factor not generally known to non-VEs is that the rules require
> that there be three VEs in each room where testing is taking place.
> Thus, to have a separate code room would require six VEs.

Our usual approach was to get the code tests out of the way first thing.
People only taking written exams would be given their first exam, but
instructed that if the code was going to be a distraction, they might want
to wait until the code tests end before they started on the tests. This way
the examinee can decide if he/she wants to get started immediately (and
perhaps get done a bit sooner) or to wait a few minutes and have a
relatively quiet room to take the test in.

Ben

```
+-----+-----+
| Ben Coleman NJ8J          | "All that is not eternal is   |
| AX.25:  NJ8J@W4QO.#EAL.#ATL.GA.USA.NA |      eternally irrelevant." |
| Internet: ben@nj8j.atl.ga.us          |              C. S. Lewis |
+-----+-----+
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-----
Date: Wed, 21 Jul 1993 13:50:10 GMT
From: cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!mksol!mmrsrv!craigs@uunet.uu.net
Subject: CW in weird places
To: info-hams@ucsd.edu
```

In article 11375@osuunx.ucc.okstate.edu, martin@datacomm.ucc.okstate.edu (Martin McCormick) writes:

>
> When our cable system has a problem like snow on the dish or anything
>that reduces signal strength to the point where the decoder can no longer
>receive the signal, the audio appears to switch to whatever is on the main
>audio subcarrier. When CNN's signal goes kaput, one can hear a tape loop
>advising you that you should contact a certain address and telephone number
>to subscribe to the service. As soon as the decoder picks up a good signal
>again, things return to normal. There is usually a loud burst of white
>noise when the switch takes place. It is probably the audio encryption
>algorithm syncing back up.

>
>Martin McCormick WB5AGZ Stillwater, OK
>O.S.U. Computer Center Data Communications Group

I've been hearing it when there is no program audio (i.e., dead air). There's still a signal there, but no audio (typically breaks to a commercial, breaks between stories, etc.) It is NOT the high speed tone bursts of the audio sync signal, unless they've taken to morse code for syncing :). Also, the morse audio volume is just low enough to be on the fringes of my ability to pick it out from the noise.
I've noticed it most on CNN or HNN, but it has made appearances on MTV, the Weather Channel, etc. The few times I have been able to pick it out, it sounded like five letter/number groups..... Curious.

-Craig

Craig S. Young, KA5B0U Email: craigs@lobby.ti.com
Texas Instruments Incorporated Phone: (214) 952-4616
2501 W. University
McKinney, TX 75070 "I speak only for me, not TI"

Date: 19 Jul 93 16:31:10 GMT
From: ogicse!emory!dragon!nj8j!ben@network.ucsd.edu
Subject: How does an American sign in Canada?
To: info-hams@ucsd.edu

da884@cleveland.Freenet.Edu (David Toste) writes:

>
> You'll have to use WY1Z/VE2

Now for the question I've never seen a clear answer to: If I, as an American ham, operate under the reciprocal agreement in Canada, how do my American band and segment privileges translate to operation in Canada? As an Extra-class operator, do I operate under the Canadian segmentation(or the lack of it), or am I still constrained by the American band segments? How do the other license classes translate to operation in Canada?

Ben

```

+-----+-----+
| Ben Coleman NJ8J | "All that is not eternal is |
| AX.25: NJ8J@W4Q0.#EAL.#ATL.GA.USA.NA | eternally irrelevant." |
| Internet: ben@nj8j.atl.ga.us | C. S. Lewis |
+-----+-----+

```

```

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Date: 21 Jul 93 17:25:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: List of conrties and call prefixes
To: info-hams@ucsd.edu

```

Hi,

I was wondering if there was a list of contries and their
call prefixes?

Thanks and 73.

Tom Jennings, kv2x

jennings@abb.com

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Date: 21 Jul 93 17:56:07 GMT
From: psinntp!arrl.org@uunet.uu.net
Subject: List of conrties and call prefixes
To: info-hams@ucsd.edu

```

In rec.radio.amateur.misc, jennings@abb.COM writes:

>I was wondering if there was a list of contries and their
>call prefixes?

There are several DXCC lists on the ARRL Automated Electronic
Mail Server. Send the following as test to info@arrl.org :

```

send DXCC-ARRL
send DXCC-K2DI
send DXCC-RULES
send DXCC-W2IOL-INST
send DXCC-W2IOL-A-P
send DXCC-W2IOL-Q-Z
send ITU-CALLS
help

```

```
index
quit
```

73 from ARRL HQ, Ed

Ed Hare, KA1CV
American Radio Relay League
225 Main St.
Newington, CT 06111
(203) 666-1541 - voice
ARRL Laboratory Supervisor
RFI, xmtr and rcvr testing

ehare@arrl.org

"You will never put the puzzle together if you keep putting all of the pieces back in the box." Colleen

Date: 21 Jul 93 20:49:59 GMT
From: ogicse!uwm.edu!cs.utexas.edu!swrinde!menudo.uh.edu!ccsvax.sfasu.edu!
f_speerjr@network.ucsd.edu
Subject: qrp...
To: info-hams@ucsd.edu

In article <CA9F4u.LWA@cmptrc.lonestar.org>, mitch@cmptrc.lonestar.org (Mitch Veenstra) writes:

> I'm looking for some net wisdom. Now that my code speed is starting to come
> back up I'm debating on going qrp for my cw work. (a lot less rfi problems than
> my borrowed hw101 /grin). I'm looking for thoughts on the subject as well
> as some ideas on decent, affordable cw qrp radios. I've been reading the
> adds for the MFJ radios and they look pretty good for the price I can

^ ^ ^ ^ ^ ^ ^ ^ ^ ^

```
> get one locally for.  Any ideas? Hints?
>
> Thanks!
> Mitchael
> KA5SOI
> (tech+ upgrading to general and beyond!)
>
```

I've been VERY happy with my MFJ 30m xcvr. It's got a GREAT r/x. And 30m strikes me as an excellent cw band, just right for a recovering microphone user!

Jim K5YUT

Date: 21 Jul 93 15:01:55 GMT
From: news-mail-gateway@ucsd.edu
Subject: Recharging alkaline cells
To: info-hams@ucsd.edu

Sorry for the late contribution to this subject, but I'm about a week behind in reading my E-mail.

Several years ago I performed several experiments with charging techniques for alkaline PRIMARY CELLS. All of the results were NEGATIVE when compared to recharging cells such as NICAD.

In primary cells, one of two electrodes is consumed as energy is released and the process can not be reversed by a charging technique. What I was able to determine was that a pulsing DC charge tended to remove or temporarily displace gas bubbles exposing a greater electrode surface. The result of the "recharging" was an apparent rejuvenation of the cell. But the life of the cell, at a specific current drain as compared to an "uncharged" cell, ended up being the same. In plotting the discharge curves for each of the cells, the "recharged" cell exhibited a small lift in the voltage curve at the point of recharge, but the drop-off in the curve that followed was characteristic of a NICAD at discharge - a sudden drop with the termination point of the recharged cell being equivalent to the uncharged cell.

During the experiment, I also tried using a steady state/constant current charge. The results were very conclusive: EVERY cell that was recharged began leaking electrolyte within a matter of hours. The charge current values were varied, actually decreased as the experiment evolved in an attempt to find a current value that would not cause the cell to weep. Even a 1/2 ma of charge current on a AA cell caused weeping after a time period.

The conclusion of my experiments was that there was NO ADVANTAGE in attempting to recharge alkaline cells. In fact, besides being a waste of time, the leaking electrolyte caused severe damage to my "charger" and workbench. Fortunately, I did not have a cell explode as was reported by others during this discussion.

Hugh Wells, W6WTU

Date: 21 Jul 1993 18:15:47 GMT
From: swrinde!gatech!howland.reston.ans.net!noc.near.net!jericho.mc.com!fugu!
levine@network.ucsd.edu
Subject: Request Alinco DJ-180T Mods
To: info-hams@ucsd.edu

In article 743276939@saturn.wwc.edu, morgdw@saturn.wwc.edu (DWIGHT CLINTON MORGAN)

writes:

>If someone has the transmit mod for the Alinco I would appreciate it

>if you would email it to me.

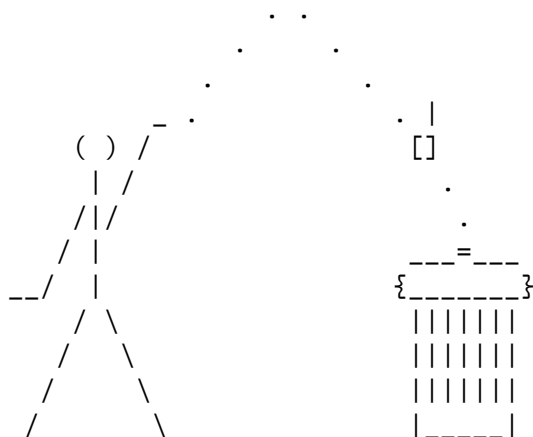
>

>Thank-you

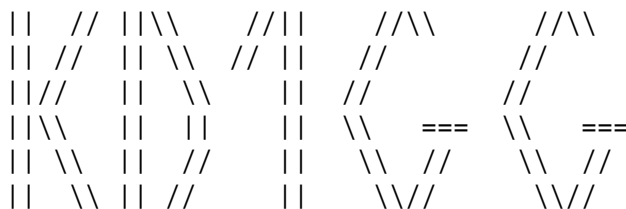
>Dwight

Mods for Alinco: (all models)

1)



2) Buy FT530



-----FTAC

Bob Levine KD1GG 7J1AIS VK2GYN

levine@mc.com

(508) 256-1300 x247

kd1gg@wa1phy.ma

FAX (508) 256-3599

Date: Wed, 21 Jul 1993 17:48:59 GMT
From: usenet.coe.montana.edu!netnews.nwnet.net!saturn.wwc.edu!saturn.wwc.edu!
morgdw@decwrl.dec.com
Subject: Request Alinco DJ-180T Mods
To: info-hams@ucsd.edu

If someone has the transmit mod for the Alinco I would appreciate it
if you would email it to me.

Thank-you
Dwight

Date: Wed, 21 Jul 1993 11:29:14 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!usc!
cs.utexas.edu!swrinde!menudo.uh.edu!jpunix!perry@network.ucsd.edu
Subject: Standard C528A Mods.??
To: info-hams@ucsd.edu

Hello Everyone.

I just recently purchased a Standard C528A dual-band HT. I was
wondering if anyone out there in cyberspace knew of any mods that can
be made to this particular model to improve performance, increase
bandwidth, etc? Also, what is the name and IP address of the mods
database?

--

John A. Perry (KG5RG) - perry@jpunix.com
jpunix!perry
MIME & PGP supported at this site!

Date: Wed, 21 Jul 1993 15:34:50 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!darwin.sura.net!rsg1.er.usgs.gov!dgg.cr.usgs.gov!
bodoh@network.ucsd.edu
Subject: STILL waiting for your license? Read this and weep!
To: info-hams@ucsd.edu

In article <CAIpCC.MsL@dartvax.dartmouth.edu>, Kenneth.E.Harker@Dartmouth.Edu
(Kenneth E. Harker) writes:

|> In article <22i5vt\$9k6@techbook.techbook.com>
|> genew@techbook.techbook.com (Gene Wolford) writes:
|>


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|> > I called the ARRL VE info number, 1-800-9ARRLVE.
|>
|> I just called this number myself to find that my paperwork didn't leave
|> ARRL hands until 18 days after I had taken my test. Needless to say, I
|> am not impressed either! The VEC that gave me my test told me "oh,
|> around eight to ten weeks..." What he should have said was "oh, eight
|> to ten weeks after the ARRL wastes three weeks and $5.60 of your
|> money..."
|>
|> And I was actually considering joining the ARRL myself, but now I don't
|> think so. I would offer to pay more than $5.60 for the handling, but I
|> don't think that would help, really. I mean, my $5.60 is enough money
|> to pay a college intern to devote _an entire hour_ to my application
|> alone. If it can't get double checked and forwarded on to the FCC
|> within an hour, there's something really wrong with the ARRL. And
|> somehow, I doubt my application received that much attention.
|>
|> =====
|>                Ken Harker                "And there's bound to be rough waters
--

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I too am awaiting my license and would like to hear from the ARRL their side of this discussion... I am hoping to get one of the few remaining 1x3 calls in region 0. I am going to be extremely upset if I miss getting one of these calls and find out that the ARRL took that long. The VE told me that they mail it to the ARRL and then the ARRL processes it and Fedex's it to the FCC THE SAME DAY RECEIVED. If they are sitting on it for 18-20 days, why bother Fedexing - save the money and HIRE FASTER PEOPLE! Or at least tell the VE's the real story!

ARRL - what's the real scoop? Please answer here rather than email - it seems that inquiring minds want to know...

```

+++++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0X?? (in the mail) +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198      (605) 594-6830      +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)
+
+   "Welcome back my friends to the show that never ends!" EL&P
+
+++++

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Date: 21 Jul 1993 17:41:01 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!howland.reston.ans.net!
noc.near.net!news.bbn.com!bbn.com!levin@network.ucsd.edu
Subject: STILL waiting for your license? Read this and weep!

To: info-hams@ucsd.edu

In article <CAIpCC.MsL@dartvax.dartmouth.edu>, Kenneth.E.Harker@Dartmouth.Edu (Kenneth E. Harker) writes:

|> And I was actually considering joining the ARRL myself, but now I don't
|> think so. I would offer to pay more than \$5.60 for the handling, but I
|> don't think that would help, really. I mean, my \$5.60 is enough money
|> to pay a college intern to devote _an entire hour_ to my application
|> alone. If it can't get double checked and forwarded on to the FCC
|> within an hour, there's something really wrong with the ARRL.

I suppose you think the VEC is there to process just your application. Do you know how many they receive? I think they are probably quick enough in average times; but they are subject to peaks just like anyone else, and it's possible that when the mail brings in several large VE sessions' worth of applications at once it takes more than a little while to get through them.

I don't know if an hour per application is reasonable, either; there is a lot of careful checking and logging that goes on, and they go through every piece of paper that comes with each 610 and VE session; session logs and summary sheets, and for each 610 there are photocopies of existing licenses and CSCEs, the graded test sheets, and new CSCEs issued.

On the other hand I read the rules to mean that 610s should leave the VEC for the FCC within ten days of arrival at the VEC, regardless of how quick the VE team was.

/JBL KD10N

=

Nets: levin@bbn.com |
pots: (617)873-3463 |
KD10N (@KB4N.NH.USA) |

"I gotta go."

-- I. Shoales

Date: 21 Jul 93 12:06:48 CDT
From: timbuk.cray.com!hemlock.cray.com!cherry10!dadams@uunet.uu.net
Subject: TS50 Illegal!
To: info-hams@ucsd.edu

In article 2365@indep1.UUCP, clifto@indep1.UUCP (Cliff Sharp) writes:

...part omitted...

| I can't see why they'd get away with this, since it's not illegal to
| own transmitting gear without a license, nor is it illegal to sell

|transmitting gear to someone not licensed to use it.
| Pretty soon we'll see TV manufacturers fined because the horizontal
|deflection circuitry has so many harmonics that are clearly audible every
|15.734 KHz throughout the shortwave bands. *sigh*
|
| I'm glad to see FCC cracking down on unlicensed and illegal operation,
but maybe they're going a bit off the deep end this time.

Well last time I read the part of the regulation that covers CB it was
apparent that if you did not have a valid Amateur Radio License then it
was illegal to own non-type accepted CB equipment, or an amplifier
capable of amplifying CB frequencies. The regulation specifically states
that possession is considered evidence of use.

I wish the rule were ammended to allow licenced Amateurs the privelege to
use 11 meters (as secondary users, of course) also allowing them to
contact other legitimate users of those frequencies. (In other words
I think that it is really silly to have to have two radios in the car
to work 10 and 11 meters. If the TS-50 can do both, why not allow it
to do so if the user is a licenced Ham as long as he abides the 4 watt
pep rule etc? Scenario--You are traveling cross country with relatives.
They are not licenced hams but do have CBs. Why should you not be able
to stay in touch simply because you have a license? Or why should you
have to have two radios installed when one would do nicely?) Couldn't
some reasonable agreement be worked out here?

David, NOWWN

--David C. Adams Statistician Cray Research Inc. dadams@cray.com
-Sourdough and Ham- - Minnesotans for Global Warming! -
(&gardner)

Date: 19 Jul 93 18:53:22 GMT
From: ogicse!emory!dragon!nj8j!ben@network.ucsd.edu
Subject: VE Test Conditions
To: info-hams@ucsd.edu

hlester@as.arizona.edu (Howard Lester) writes:

> Although I successfully passed the Extra Class license elements (hooray!), I

> am appalled at the noise level allowed at the two separate testing sites I
 > attended. Without mentioning any names or affiliations, I will just say that
 > the first site I attended was virtually a party, with plenty of talking,
 > chatter, and laughing on the parts of both the examinees (who were not, at
 > that moment, being examined) and the VE's themselves.
 >
 > At the second site the noise was not as bad, but how could any noise be
 > allowed at a testing site? This is an examination, where concentration is
 > required (for many of us!). This is NOT a party nor a place to discuss radio
 > equipment.
 >
 > Any other experiences? Is this common?

At the sessions where I've been a VE (mostly with the Mountaineer Amateur
 Radio Association team in Fairmont, WV), we've generally kept it quiet to
 the point where the VE's grading tests have to be a bit cautious in handling
 papers lest the paper noise serve as a distraction. People just outside the
 testing area whose conversation gets loud enough to intrude into the testing
 area are generally asked to reduce the volume or move the conversation away.

Ben

```
+-----+-----+
| Ben Coleman NJ8J          | "All that is not eternal is    |
| AX.25:  NJ8J@W4QO.#EAL.#ATL.GA.USA.NA | eternally irrelevant." |
| Internet: ben@nj8j.atl.ga.us          | C. S. Lewis |
+-----+-----+
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Date: Wed, 21 Jul 1993 16:16:26 GMT
From: spsgate!mogate!newsgate!news@uunet.uu.net
Subject: What happened to Newsline posts?
To: info-hams@ucsd.edu
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Anyone know what happened to the Newsline texts that were being posted here for
 a while? I haven't seen it for a couple weeks. How/where does one get the text?

Thanks & 73... Mark AA7TA

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Date: Wed, 21 Jul 93 15:43:24 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!howland.reston.ans.net!
europa.eng.gtefsd.com!darwin.sura.net!news-feed-2.peachnet.edu!umn.edu!csus.edu!
netcom.com!netcomsv!orchard.la.locus.com!
To: info-hams@ucsd.edu
```

References <1993Jul20.034101.187@porthos.cc.bellcore.com>, <17921@news.duke.edu>, <1993Jul20.161019.6673@porthos.cc.bellcore.com>ne

Subject : Re: Type Acceptance impacts all NEW equipment, was Re: TS50 Illegal!

In article <1993Jul20.161019.6673@porthos.cc.bellcore.com>

whs70@dancer.cc.bellcore.com (sohl,william h) writes:

>In article <17921@news.duke.edu> jbs@ee.ee.duke.edu (Joe B. Simpson) writes:

>>In article <1993Jul20.034101.187@porthos.cc.bellcore.com>

whs70@dancer.cc.bellcore.com (sohl,william h) writes:

>>

>>> 1st...sence when has the FCC had to 'type accept' a Ham rig?

>>

>>>The FCC does "type acceptance" on "commercial" ham rigs.

>>>I don't know when that may have started, but it is the

>>>normal process by which new equipment is first checked

>>>out before being available.

>>

>>I don't think the certification that equipment is in compliance with the

>>regulations concerning spectral purity is the same thing as "type acceptance."

>>In my reading of the rules (a fairly recent copy, though not a 1993 copy) I

>>didn't see anything at all indicating that any gear other than external

>>RF amps operating under 144MHz had to be type accepted to be marketed

>>commercially..

>> -joe

>

>The FCC does "type acceptance" on all electronic equipment relative to

>certain criteria. All commercial radio receivers, TVs, scanners,

>VCRs, computers, etc have to meet various "type acceptance" criteria

>relative to emissions, etc. Look on, under or somewhere on almost

>any piece of new electronic equipment and you'll find a reference

>to the specific type acceptance criteria to which that equipment has

>been validated/type accepted.

>

>For example, my desk telephone has a sticker indicating the phone

>complies with part 40 of the FCC rules. My video monitor "complies with

>Part 15 of FCC rules."

Complying with regulations and being type accepted are two different things, and it is important not to confuse them. Type acceptance is a certification granted by the FCC when a manufacturer provides data to the FCC indicating that a design complies with the relevant standards. In ham radio, only external power amplifiers capable of operation below 144 Mhz require type acceptance.

Nomenclature on a device indicating that it complies with relevant standards is not the same as type acceptance. Most new electronic equipment today is marked that it complies with Part 15, which is

to say that it does not produce illegal undesired RFI. Telephone devices are certified to comply with Part 68. All devices must comply with relevant technical standards, and may be marked to indicate which standards these are, but this is not type acceptance. Certification of standards compliance may not involve the FCC at all.

Type acceptance really means "this device has been approved by the FCC for use in a particular service".

--

* Dana H. Myers KK6JQ | Views expressed here are *
* (310) 337-5136 | mine and do not necessarily *
* dana@locus.com DoD #466 | reflect those of my employer
*
* This Extra supports the abolition of the 13 and 20 WPM tests *

End of Info-Hams Digest V93 #886
